SONY

3-753-307-22 (1)

Dual Alarm FM/AM PLL Synthesized Clock Radio

# ICF-C303

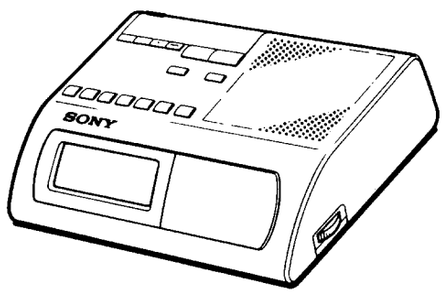
## Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

## Owner's Record

The model and serial numbers are located on the bottom. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. ICF-C303 Serial No. _____




DREAM MACHINE

Sony Corporation ©1991 Printed in Taiwan R.O.C.

## WARNING

**To prevent fire or shock hazard, do not expose the unit to rain or moisture.**

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanyingthe appliance.

*The graphical symbols are on the bottom enclosure.

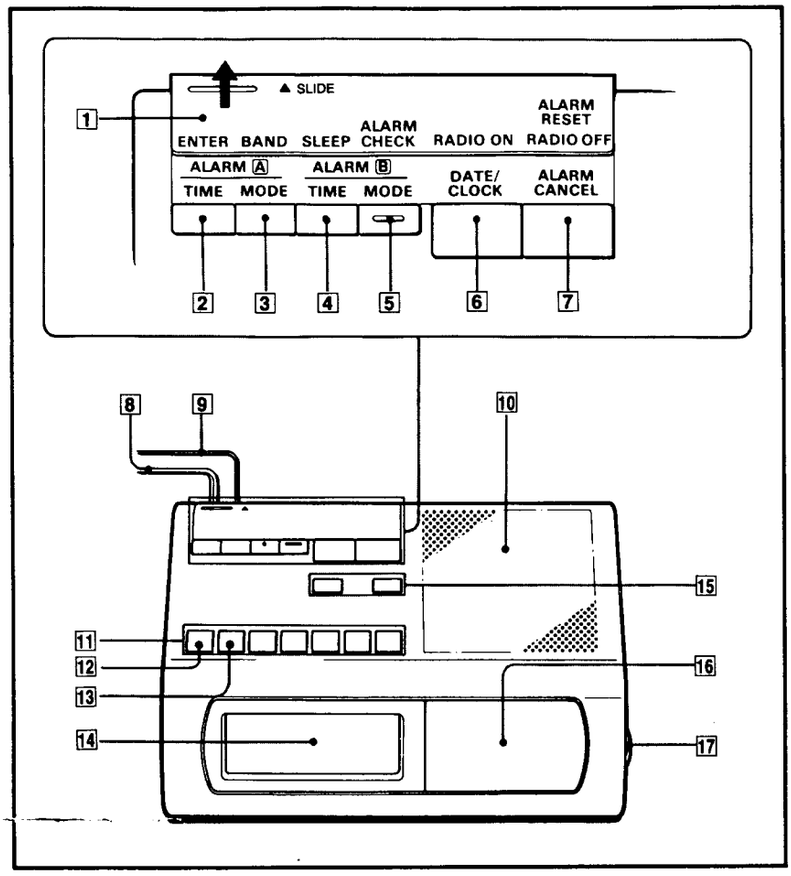
**INFORMATION**

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

# Location of Controls

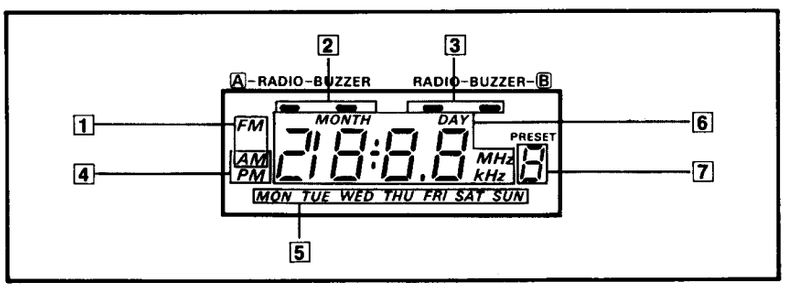



[1] SLIDE cover

The function of the buttons listed in the following table is different when the SLIDE cover is closed and when it is open.

| | SLIDE cover closed | SLIDE cover open |
|---|---|---|
| [2] | ENTER button | ALARM [A] TIME button |
| [3] | BAND button | ALARM [A] MODE button |
| [4] | SLEEP button | ALARM [B] TIME button |
| [5] | ALARM CHECK button | ALARM [B] MODE button |
| [6] | RADIO ON button | DATE/CLOCK button |
| [7] | RADIO OFF/ ALARM RESET button | ALARM CANCEL button |

[8] AC power cord
[9] FM wire antenna
[10] Speaker
[11] Station/day preset buttons
[12] WAKE UP STATION button (ALARM [A])
[13] WAKE UP STATION button (ALARM [B])
[14] Display window
[15] TUNE/TIME SET buttons
[16] DREAM BAR
DATE/SNOOZE bar
[17] VOL (volume) control




## Display Section

[1] Band indication
[2] ALARM [A] mode indication
[3] ALARM [B] mode indication
[4] AM/PM indication
[5] Days of the week indication
[6] Time/frequency/date indication
[7] Preset number indication

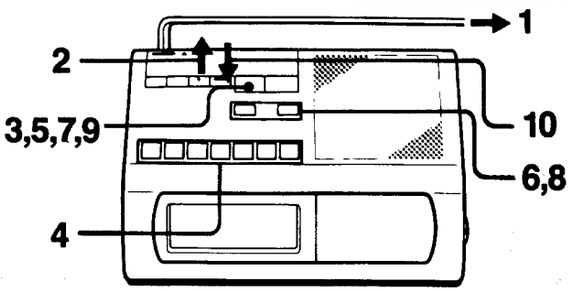
# Troubleshooting

Should any problem occur with the unit, make the following simple checks to determine whether or not servicing is required. If the problem persists, consult the nearest Sony dealer.

**The clock does not show the correct time.**
There has been an electrical power interruption lasting for more than six hours.

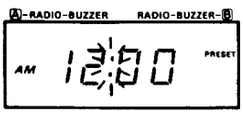
**The radio or buzzer alarm sound does not come on at the preset time.**
Check the followings:
- Is the current time set correctly?
  Check the AM/PM indication.
- Is the ALARM [A]/[B] time set correctly?
- For radio alarm, is the desired station tuned in at the preset button 1 and/or 2?
- Is the VOL control adjusted correctly?
  If it is down completely, the radio alarm sound will not be heard. Be sure to turn up the volume.

# How to Set the Date and Time




**1** **Connect the AC power cord to a wall outlet.**

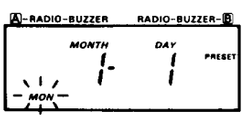
Figures appear in the display window and begin to flash.




**2** **Open the SLIDE cover.**

**3** **Press the DATE/CLOCK button once.**

MONTH and DAY figures appear and the indication MON (Monday) starts to flash.

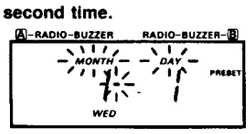



**4** **Press the appropriate station/day preset button (MON—SUN) to set the day of the week.**

You can also set the day of the week by pressing the TUNE/TIME SET + or − button. The + button advances the day and the − button reverses the day.

**5** **Press the DATE/CLOCK button a second time.**

The day of the week indication stops to flash and the MONTH-DAY indication starts to flash.




**6** **Press the TUNE/TIME SET + or − button to set the date.**

The + button advances the month and day digits and the − button reverses them. Keep the TUNE/TIME SET + or − button pressed to advance or reverse the month and day digits rapidly.

**7** **Press the DATE/CLOCK button a third time.**

The MONTH/DAY indication disappears and the time indication appears.

**8** **Adjust the clock to the current time with the TUNE/TIME SET + or − button.**

The + button advances the hour and minute digits and the − button reverses them. Keep the + or − button pressed to advance or reverse the hour/minute digits rapidly.

AM 12:00 = midnight
PM 12:00 = noon

**9** **Press the DATE/CLOCK button again.**

You hear two beeps. The day of the week, month, day and time have been set and only the time indication remains in the display window.

**10** **Close the SLIDE cover.**

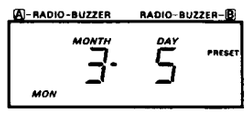
**Zero second adjustment**
Example: To set to 8:15 AM

**1** **Follow the steps as previously described in 1 to 7.**

**2** **Adjust the time to 8:15 AM.**

**3** **Press the DATE/CLOCK button with the radio or telephone time signal.**

**To check the day of the week and the date.**
Press the DREAM BAR DATE/SNOOZE bar. The day of the week and the date indication appears in the display window.

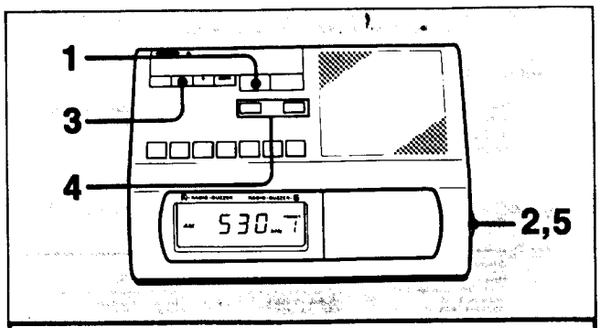



# Specifications

| | |
|---|---|
| Radio section | |
| Frequency range | FM: 87.5—108 MHz<br>AM: 530—1,710 kHz |
| Scan step | FM: 0.1 MHz<br>AM: 10 kHz |
| Antennas | FM: FM wire antenna<br>AM: Built-in ferrite bar antenna |
| Speaker | Approx. 6.6 cm ($2^5/_8$ inches) dia. |
| Power output | 200 mW (at 10% harmonic distortion) |
| Power requirements | 120 V AC, 60 Hz |
| Dimensions | Approx. 201 × 61.5 × 156 mm (w/h/d)<br>(8 × $2^1/_2$ × $6^1/_4$ inches)<br>incl. projecting parts and controls |
| Weight | Approx. 700 g (12 oz) |

Design and specifications subject to change without notice.

# Radio Operation (Manual Tuning)




**1** **Press the RADIO ON button.**

The display window shows the band, frequency and the PRESET number of the station before the radio was turned off for five seconds and then shows the time indication.

**2** **Turn the VOL control a little to get sound.**

**3** **Select the desired band with the BAND button.**

AM and FM alternate with each press of the BAND button. (The display window shows the last frequency chosen in each band.)

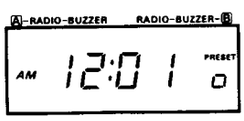
**4** **Tune in the desired station with the TUNE/TIME SET + or – buton.**

The AM tuning interval is set to 10 kHz and the FM tuning interval is set to 0.1 MHz.

**5** **Adjust volume.**

**Notes**

- The display window shows the band and frequency for five seconds after the radio is turned on and after you have changed the frequency. Then it goes back to the time indication.
- The PRESET number in the display window shows ▢ (out) when the radio is tuned to a frequency other than the preset ones by pressing the TUNE/TIME SET + or – button.




**To turn off the radio**

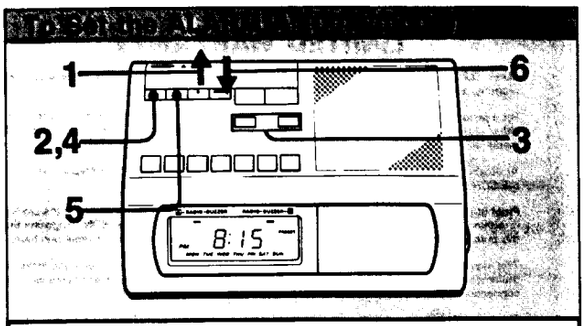
Press the RADIO OFF/ALARM RESET button.

**For improved reception**

FM: Extend the FM wire antenna fully to increase the FM sensitivity.

AM: Since the reception is affected by the position of the radio, rotate the unit horizontally for optimum reception.

# How to Set the Alarm




**1** **Open the SLIDE cover.**

**2** **Press the ALARM [A] TIME button.**

The following indication appears in the window.

**3** **Set the ALARM [A] TIME with the TUNE/TIME SET + or – button.**

The + button advances the hour and minute digits and the – button reverses them.
ALARM [A] TIME is set to 7:00 AM at the factory.

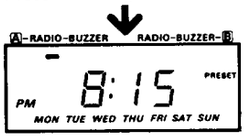
**4** **Press the ALARM [A] TIME button again.**

You hear two beeps and the alarm time has been set.

**5** **Select the mode (buzzer or radio) with the ALARM [A] MODE button.**

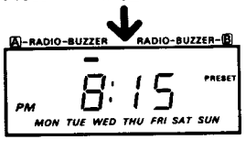
Each time you press the button, the alarm mode changes and the display changes in the following order.

Press ALARM [A] MODE → Alarm mode



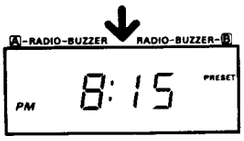

Radio

Press ALARM [A] MODE




Buzzer

Press ALARM [A] MODE




No alarm

When you choose the ALARM [A] RADIO MODE, you will hear the station preset for the WAKE UP STATION [A] button at the preset time.

**6** **Close the SLIDE cover.**

## To Set the ALARM [A] (time/mode)

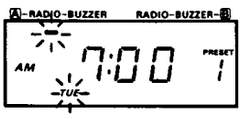
Follow the steps 2 to 5 described in "To Set the ALARM [A] (time/mode)", using the ALARM [B] TIME and ALARM [B] MODE buttons.
The ALARM [B] TIME is set to 7:30 AM at the factory.

When you choose the ALARM [B] RADIO MODE, you will hear the station preset for the WAKE UP STATION [B] button at the preset time.

## When the Alarm Comes On

The following indication appears in the window.

Example: ALARM [A], RADIO MODE, 7:00 AM, Tuesday




**Notes:**

- When ALARM [B] (ALARM [A]) comes on while ALARM [A] (ALARM [B]) is still on, the alarm switches to ALARM [B] (ALARM [A]).
- The buzzer sound level is fixed, and independent of the VOL control.
- The ALARM [A] BUZZER sound and ALARM [B] BUZZER sound are different.
- The interval of the BUZZER ALARM is long at the beginning and gradually becomes shorter.

The radio or buzzer will automatically sound at the preset time, and automatically turn itself off after 59 minutes, unless it is turned off manually.

**To turn off the alarm manually**
Press the RADIO OFF/ALARM RESET button. (Make sure that the SLIDE cover is closed.)

## To Check the Alarm Setting

**Press the ALARM CHECK button.**

When you press the button once, the ALARM [A] TIME appears in the display window.

When you press the button again, the ALARM [B] TIME appears in the window.

## Snooze Alarm Function

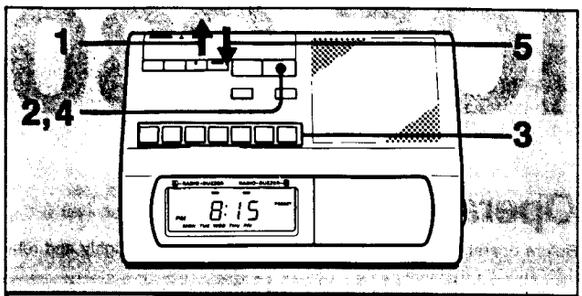
If you awake to the radio or buzzer but want to doze for a few more minutes, just lightly press the DREAM BAR DATE/SNOOZE bar. The radio or buzzer will be silenced but will automatically come on again after about eight minutes. If you want to doze some more, press the bar again.

**Notes:**

- If you press the DREAM BAR DATE/SNOOZE bar an hour after the alarm comes on, the alarm will not sound again.
- To cancel the alarm before the alarm time, open the SLIDE cover and press the ALARM [A] MODE and/or ALARM [B] MODE buttons so that the indicators under the ALARM [A] RADIO/BUZZER and the ALARM [B] RADIO/ BUZZER indication disappear.

## Canceling the Days when You Don't Want to be Awoken by the Alarm

You can cancel the days when you don't want to be awoken by the alarm with the ALARM CANCEL button. Otherwise the alarm turns on at the same time every day.

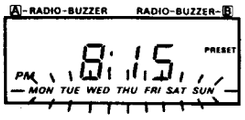



**Example: To cancel the alarm for Saturday and Sunday.**

**1** **Open the SLIDE cover.**

**2** **Press the ALARM CANCEL button.**

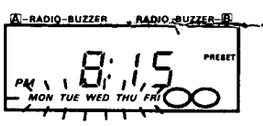
Days of the week indication starts to flash.




**3** **Press the station/day preset button of the day on which you do not want to be awoken. (SAT and SUN)**

The indication of the day disappears.

You can cancel other days of the week by pressing the desired station/day preset buttons.




**4** **Press the ALARM CANCEL button again.**

You hear two beeps.
The alarm will not be turned on on the days whose indication has disappeared.

**5** **Close the SLIDE cover.**

### To put back the days which you have canceled

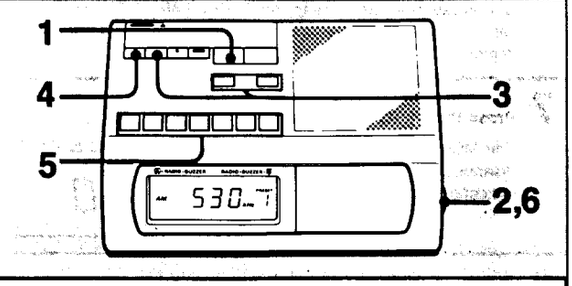
**1 Press the ALARM CANCEL button.**
**2 Press the station/day preset buttons of the days which you have canceled while the indication is flashing.**
The indication of those days appears again.
**3 Press the ALARM CANCEL button again.**

**Note**
Alarm canceling function activates both for ALARM [A] and ALARM [B] and you cannot cancel only ALARM [A] or ALARM [B].

# Radio Operation (Preset Tuning)

You can preset up to 7 FM/AM stations (one station for each 1-7 button).

## How to Preset




**Example: To set AM 1260 kHz for button 2**

**1 Press the RADIO ON button.**

The display window shows the band, frequency and the PRESET number of the station before the radio was turned off.

**2 Turn the VOL control a little to get sound.**

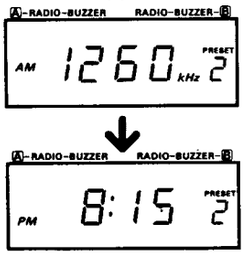
**3 Tune in the desired station with the BAND and TUNE/TIME SET + or − buttons.**

**4 Press the ENTER button.**

The PRESET indication "P" flashes.

**5 Press the desired station/day preset button (2).**

You hear two beeps.
The station being received will be stored for that PRESET number. The display window shows the band and frequency for five seconds and goes back to the time indication. However, the PRESET number stays in the window.




**6 Adjust volume.**

**Note:**
The station set for button 1 will be the station of ALARM A, RADIO MODE. Preset another station for button 2 for ALARM B, RADIO MODE. (For details on alarm, see "How to Set the Alarm".)

**To change the preset station**
Preset a new station for the desired button, following the steps 3 to 5.

## To tune in [illegible]

**1 Press the RADIO ON button.**

**2 Press one of the station/day preset buttons 1-7.**

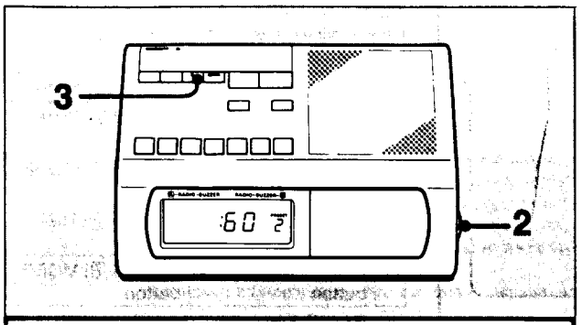
The desired station will be received. The band and frequency will be displayed for five seconds and the PRESET number will remain in the display window.

**To turn off the radio**
Press the RADIO OFF/ALARM RESET button.

**To check the band and frequency of the station you are listening to**
Press one of the following buttons: RADIO ON button or the station/day preset button of the station you are listening to. The display window shows the band and frequency for five seconds.

# How to Use the Sleep Timer

You can fall asleep to the radio sound knowing that the radio will turn itself off after the preset time period has elapsed.




**1** **Tune in the desired station manually or with the station/day preset buttons.** (See "Radio Operatoin".)

**2** **Adjust volume.**

**3** **Press the SLEEP button to set the sleep timer operation time.**

Each time you press the button, the operation time will be reduced.
The operation time appears in the display window for a second and then the current time appears.

**Sleep timer operation time**

| Press SLEEP | Operation time | Display |
|---|---|---|
| once | 90 minutes | :90 |
| twice | 60 minutes | :60 |
| three times | 30 minutes | :30 |
| four times | 15 minutes | :15 |
| five times | 0 (Radio off) | OFF |

**To Use Both Sleep and Alarm Function**

**1** **Set the alarm.** (See "How to Set the Alarm".)

**2** **Set the sleep timer.** (See "How to Use the Sleep Timer".)

You can fall asleep to the radio sound and you will be awoken by the radio/buzzer alarm at the preset time.

SONY

PERSONAL/PORTABLE AUDIO PRODUCTS

# LIMITED WARRANTY

SONY ELECTRONICS INC ("SONY") warrants this product against defects in material or workmanship, as follows:

For a period of 1 year from the date of retail purchase, SONY shall at its sole and absolute option either repair the defective product at no charge or replace the defective product with the same model or its equivalent model at no charge through a SONY SERVICE CENTER.

To obtain warranty service, you must take the product, or deliver the product prepaid, to one of the SONY SERVICE CENTERS located in the United States.

Proof of purchase in the form of a bill of sale or receipted invoice, which indicates that the product is within the warranty period, must be presented to obtain warranty service. SONY suggests that the purchaser retain the dealer's dated bill of sale as evidence of the date of retail purchase.

This warranty does not cover cosmetic damage, and damage to any part of the product, including the antenna, which results from acts of God, accident, misuse, abuse, improper maintenance, or connection to an improper voltage supply.

This warranty is valid only if the serial number appears on the product. This warranty is valid only in the United States of America.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract with the Sony Partnership SM within 90 days of the date of sale, the limitation on how long an implied warranty lasts does not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Please refer to the list of SONY SERVICE CENTERS on the reverse side for the SONY SERVICE CENTER nearest you.

For your convenience, Sony Electronics Inc has established the Customer Information Center to supply you with product or service information.

**SONY CUSTOMER INFORMATION CENTER**
**201-930-SONY (7669)**
**714-821-SONY (7669)**
**708-250-SONY (7669)**

or write to:

SONY CUSTOMER INFORMATION CENTER
Sony Drive, Mail Drop #T1-11
Park Ridge, New Jersey 07656

**SONY ELECTRONICS INC**
Sony Drive, Park Ridge, New Jersey 07656

To obtain warranty service, please take the product, or deliver the product prepaid, to one of the following Sony Service Centers located around the United States.

All of the following items must be included when the product is shipped prepaid to the SONY SERVICE CENTER.

- Name, address and a phone number where you may be reached during the day.
- A copy of proof of purchase, as evidence that the product is within the warranty period.
- Brief description of the product defect.
- All supplied accessories with the product.

**Sony Service Centers**

**Arizona**

**Phoenix**
2240 North Scottsdale Road
Tempe, AZ 85281
(602) 949-7669

**California**

**Burbank (Los Angeles area)**
4100 Riverside Drive, Suite A
Burbank, CA 91505
(818) 842-7669

**Costa Mesa (Orange County area)**
2729 Bristol Street South
Costa Mesa, CA 92626
(714) 549-4833

**San Bruno (San Francisco area)**
751 Camino Plaza
San Bruno, CA 94066
(415) 871-2810

**San Diego**
8975 Complex Drive
San Diego, CA 92123
(619) 279-2724

**San Jose**
1359 Old Oakland Road
San Jose, CA 95112
(408) 280-7669

**Colorado**

**Denver**
Havana Place Center
10740 East 6th Avenue
Aurora, CO 80014
(303) 755-7669

**Florida**

**Fort Lauderdale**
2850 North 28th Terrace
Hollywood, FL 33020
(305) 920-5600

**Georgia**

**Atlanta**
120 Interstate North Parkway East
Suite 410
Atlanta, GA 30339
(404) 953-5871

**Hawaii**

**Honolulu**
950 Mapunapuna Street
Honolulu, HI 96819
(808) 834-6622

**Illinois**

**Chicago**
1730 West Fullerton, Suite 4
Riverpoint Shopping Center
Chicago, IL 60614
(312) 929-8585

**Niles (Chicago N.W.)**
7540 North Caldwell Avenue
Niles, IL 60648
(708) 647-2400

**Westmont (Chicago S.W.)**
6036-38 South Cass Avenue
Westmont, IL 60559
(708) 969-0049

**Kansas**

**Kansas City**
11712 West 95th Street
Overland Park
KS 66214
(913) 888-2622

**Maryland (Washington D.C.)**

**Washington D.C.**
5300 Sunnyside Avenue
Beltsville, MD 20705
(301) 595-1818

**Massachusetts**

**Boston**
390 University Avenue
128 Westwood Industrial Center
Westwood, MA 02090
(617) 329-5130

**Michigan**

**Detroit**
43304 Eleven Mile Road
Novi, MI 48050
(313) 344-4044

**Minnesota**

**Minneapolis**
4300 W. 36 1/2 Street
St. Louis Park, MN 55416
(612) 920-8000

**Missouri**

**St. Louis**
12462-D Natural Bridge Road
Bridgeton, MO 63044
(314) 291-2201

**New Jersey**

**Mahwah (N.Y. Metropolitan Area)**
386 Route 17 South
Mahwah, NJ 07430
(201) 529-1655

**Union**
Bradlees Shopping Center
US Highway 22 At Morris Avenue
Union, NJ 07083
(201) 687-5555

**Ohio**

**Cleveland**
6370 York Road
Parma Heights, OH 44130
(216) 845-7669

**Pennsylvania**

**Philadelphia**
651 Park Avenue
King of Prussia, PA 19406
(215) 768-8850

**Pittsburgh**
Wexford Plaza
10610 Perry Highway (Rt. 19N)
Wexford, PA 15090
(412) 935-8466

**Texas**

**Dallas**
401 Preston Valley Shopping Center
Dallas, TX 75230
(214) 661-3537

**Houston**
7639 Westheimer
Houston, TX 77063
(713) 783-8761

**Washington**

**Seattle**
835 Fidalgo
Seattle, WA 98108
(206) 762-6500

# Features

- Dual alarm FM/AM PLL (phase locked loop) synthesized clock radio.
- Choice of radio alarm or buzzer alarm for both ALARM [A] and [B].
- You can wake up by two different stations on ALARM [A] and [B].
- You can cancel the alarm for selected days of the week, using the ALARM CANCEL button.
- DREAM BAR DATE/SNOOZE offers you to enjoy not only the snooze alarm function but also enables you to check the month, day, and day of the week.
- Choice of four durations for sleep timer: 90, 60, 30 or 15 minutes.
- You can preset 7 FM/AM stations for easier tuning.
- LCD display with backlight.
- Self power backup:
  The built-in capacitor enables the unit to keep the memorized time and frequency for six hours without battery.

# Precautions

- Operate the unit only on 120 V AC, 60 Hz.
- The nameplate indicating voltage, etc. is located on the bottom exterior.
- Disconnect the cord by grasping the plug. Never pull it by the cord.
- Do not leave the unit in a location near a heat source such as a radiator or airduct, or in a place subject to direct sunlight, excessive dust, mechanical vibration, or shock.
- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on a surface (a rug, a blanket etc.) or near materials (a curtain) which might block the ventilation holes.
- Should any liquid or solid object fall into the unit, unplug the unit and have it checked by qualified personnel before operating it further.
- When the casing becomes soiled, clean it with a soft cloth dampened with a mild detergent solution. Never use abrasive cleansers or chemical solvents, as they may mar the casing.

If you have any question, please consult your nearest Sony dealer.